

Description

Resbuild MMA Floorpatch Pourable is a fast curing, high strength, two component Methacrylate resin mortar, designed for rapid and permanent repairs to concrete surfaces that may be subjected to heavy loading in service.

Typical Uses

Repairs to spalled or damaged concrete; bedding pre-cast concrete beams; chemical bunds; floor repairs.

Advantages

- High Strength
- Very good chemical resistance
- Excellent adhesion to primed concrete
- Fast curing, even at low temperatures
- Impact and abrasion resistant
- Frost resistant and impervious to water
- Excellent mechanical properties

Typical Properties

Colour: Light grey

Density: 2,010kg/m³

Pot life @ 20°C: 15-20 Minutes

Compressive strength: 75MPa

Temperature range during application: -30°C* to + 40°C

Temperature range during service: -40°C to + 50°C

*Supplied as a pre-accelerated grade

Chemical resistance: Excellent resistance to dilute acids and alkalis, oil, petrol, and diesel. For specific advice please consult our Technical Department.

Packaging

Resbuild MMA Floorpatch Pourable is supplied in 17kg packs

Procedure**Surface Preparation**

Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling, bush hammering, or other mechanical treatment, to provide a sound clean substrate. Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by hand abrading or wire brushing to remove rust, scale, etc., and primed with a coat of Resbuild MMA Primer

Priming

The prepared concrete surface, together with the pre-primed re-bars, shall be primed by the application of Resbuild MMA Primer. The mixed Resbuild MMA Primer should be applied by brush or roller at a nominal rate of 0.2 – 0.3kg/m², depending upon surface profile. Allow the primer to cure for a minimum of 40 minutes.

Mixing

Resbuild MMA Floorpatch Pourable is supplied as a two component product consisting of the BASE component, and the FILLER/CATALYST component.

The contents of the BASE and FILLER/CATALYST component should be thoroughly mixed together for 1-2 minutes.

Mix using a low speed drill stirrer or a forced action mixer such as a Mixall, Pennine or Creteangle type.

Application

Resbuild MMA Floorpatch Pourable shall be poured onto the primed floor and trowel finished. The material should not be feather edged. Minimum application thickness is 5mm.

NOTE: The product may be bulked out with 2-6mm quartz gravel for sections in excess of 15mm. Please contact our Technical department for recommendations.

Equipment Cleaning

Clean equipment with Resbuild MMA Toolclean immediately after use.

Curing

Allow a minimum cure time of 1 hour @ 20°C prior to foot trafficking and 2 hours @ 20°C prior to full trafficking. The cured product requires priming with Resbuild MMA Primer prior to the application of any other Resbuild MMA system.

Storage and Shelf Life

Store in dry conditions, out of direct sunlight, at temperatures between 10°C and 20°C.

Adequate ventilation of the storage area should be provided.

Keep containers tightly closed when not in use

Resbuild MMA Floorpatch Pourable has a minimum shelf life of 6 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

A 17kg pack yields 8.5 litres of mortar, sufficient for 0.85m² @ 10mm thickness.

Limitations

Do not apply to wet, uncured or unprimed concrete surfaces.

Resbuild MMA Floorpatch Pourable will taint food during application, so that all foodstuffs in the immediate vicinity must be removed or properly covered.

Health and Safety

Resbuild MMA Floorpatch Pourable is flammable during application, so that adequate safety precautions should be observed.

Avoid contact of the material with skin and eyes.

Wear gloves and goggles.

Wash off splashes immediately with soap and water.

Any eye contamination must be rapidly irrigated with copious amounts of clean water, and immediate medical attention sought.

Please refer to Material Safety Data Sheet for additional information

Resbuild MMA Floorpatch Pourable shall be applied strictly in accordance with the manufacturer's instructions

For specific advice regarding any aspect of this product, please consult our Technical section.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Resin Building Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).